

P016330GB seq listing.ST25.txt

SEQUENCE LISTING

<110> Cyclacel Ltd

<120> Polypeptides

<130> P016330WO IJF

<150> GB0402904.7

<151> 2004-02-10

<160> 4

<170> PatentIn version 3.0

<210> 1

<211> 1059

<212> DNA

<213> Artificial

<220>

<223> expression construct

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ggacggcaga gccttggtga acttcttata cgaccagtac agaggttacc cagtgttgca 480
ttacttttaa atgatcttaa gaagcataca gctgatgaaa atccagacaa aagcacttta 540
gaaaaagcta ttggatcact gaaggaagta atgacgcata ttaatgagga taagagaaaa 600
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agagagacag aagattgcca taatgctttt gccttgcttg tgaggccacc aacagagcag      960
gcaaattgtc tactcagttt ccagatgaca tcagatgaac ttccaaaaga aaactggcta     1020
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<210> 2

<211> 1305

<212> DNA

<213> Artificial

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<223> Expression construct

<400> 2

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ccttcaaagc agtcagcaag gtggcaagtt gcaaaagagc tttatcaaac tgaaagtaat      180
tatgttaata tattggcaac aattattcag ttatttcaag taccattgga agaggaagga      240
caacgtggtg gacctatcct tgcaccagag gagattaaga ctatcttttg tagcatccca      300
gatatctttg atgtacacac taagataaag gatgatcttg aagaccttat agttaattgg      360
gatgagagca aaagcattgg tgacattttt ctgaaatatt caaaagattt ggtaaaaacc      420
taccctccct ttgtaaactt ctttgaaatg agcaaggaaa caattattaa atgtgaaaaa      480
cagaaaccaa gatttcatgc ttttctcaag ataaaccaag caaaaccaga atgtggacgg      540
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gctcaaaagc aaatcttttg tggtgtttat gaagtagatg gatgccagc taatctttta      780
tcttctcacc gaagcttagt acagcggggt gaaacaattt ctctaggtga gcacctctgt      840
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cggcacaagg ttattggcac ttttaggagt cctcatggcc aaacccgacc cccagcttct      960
cttaagcata ttcacctaat gcctctttct cagattaaga aggtattgga cataagagag     1020
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gtgctactca gtttccagat gacatcagat gaacttccaa aagaaaactg gctaaagatg 1140
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agatatctag acccagcttt cttgtacaaa gtggttgatt cgaggctgct aacaaagccc 1260
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<210> 3

<211> 353

<212> PRT

<213> Artificial

<220>

<223> Expressed protein

<400> 3

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20          25          30
Leu Phe Gln Val Pro Leu Glu Glu Gly Gln Arg Gly Gly Pro Ile
35          40          45
Leu Ala Pro Glu Glu Ile Lys Thr Ile Phe Gly Ser Ile Pro Asp Ile
50          55          60
Phe Asp Val His Thr Lys Ile Lys Asp Asp Leu Glu Asp Leu Ile Val
65          70          75          80
Asn Trp Asp Glu Ser Lys Ser Ile Gly Asp Ile Phe Leu Lys Tyr Ser
85          90          95
Lys Asp Leu Val Lys Thr Tyr Pro Pro Phe Val Asn Phe Phe Glu Met
100         105         110
Ser Lys Glu Thr Ile Ile Lys Cys Glu Lys Gln Lys Pro Arg Phe His
115         120         125
Ala Phe Leu Lys Ile Asn Gln Ala Lys Pro Glu Cys Gly Arg Gln Ser
130         135         140
Leu Val Glu Leu Leu Ile Arg Pro Val Gln Arg Leu Pro Ser Val Ala
145         150         155         160
Leu Leu Leu Asn Asp Leu Lys Lys His Thr Ala Asp Glu Asn Pro Asp
165         170         175
Lys Ser Thr Leu Glu Lys Ala Ile Gly Ser Leu Lys Glu Val Met Thr
180         185         190
His Ile Asn Glu Asp Lys Arg Lys Thr Glu Ala Gln Lys Gln Ile Phe
195         200         205
Asp Val Val Tyr Glu Val Asp Gly Cys Pro Ala Asn Leu Leu Ser Ser

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210                               215                               220
His Arg Ser Leu Val Gln Arg Val Glu Thr Ile Ser Leu Gly Glu His
225                               230                               240

Pro Cys Asp Arg Gly Glu Gln Val Thr Leu Phe Leu Phe Asn Asp Cys
245                               250                               255

Leu Glu Ile Ala Arg Lys Arg His Lys Val Ile Gly Thr Phe Arg Ser
260                               265                               270

Pro His Gly Gln Thr Arg Pro Pro Ala Ser Leu Lys His Ile His Leu
275                               280                               285

Met Pro Leu Ser Gln Ile Lys Lys Val Leu Asp Ile Arg Glu Thr Glu
290                               295                               300

Asp Cys His Asn Ala Phe Ala Leu Leu Val Arg Pro Pro Thr Glu Gln
305                               310                               315                               320

Ala Asn Val Leu Leu Ser Phe Gln Met Thr Ser Asp Glu Leu Pro Lys
325                               330                               335

Glu Asn Trp Leu Lys Met Leu Cys Arg His Val Ala Asn Thr Ile Cys
340                               345                               350

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Lys

<210> 4

<211> 434

<212> PRT

<213> Artificial

<220>

<223> Expressed protein

<400> 4

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20                               25                               30

Gly Thr Glu Phe Ala Leu Pro Val Pro Ser Lys Gln Ser Ala Arg Trp
35                               40                               45

Gln Val Ala Lys Glu Leu Tyr Gln Thr Glu Ser Asn Tyr Val Asn Ile
50                               55                               60

Leu Ala Thr Ile Ile Gln Leu Phe Gln Val Pro Leu Glu Glu Glu Gly
65                               70                               75                               80

Gln Arg Gly Gly Pro Ile Leu Ala Pro Glu Glu Ile Lys Thr Ile Phe
85                               90                               95

Gly Ser Ile Pro Asp Ile Phe Asp Val His Thr Lys Ile Lys Asp Asp
100                              105                              110

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Leu Glu Asp Leu Ile Val Asn Trp Asp Glu Ser Lys Ser Ile Gly Asp
 115                      120                      125

Ile Phe Leu Lys Tyr Ser Lys Asp Leu Val Lys Thr Tyr Pro Pro Phe
 130                      135                      140

Val Asn Phe Phe Glu Met Ser Lys Glu Thr Ile Ile Lys Cys Glu Lys
 145                      150                      155                      160

Gln Lys Pro Arg Phe His Ala Phe Leu Lys Ile Asn Gln Ala Lys Pro
 165                      170                      175

Glu Cys Gly Arg Gln Ser Leu Val Glu Leu Leu Ile Arg Pro Val Gln
 180                      185                      190

Arg Leu Pro Ser Val Ala Leu Leu Leu Asn Asp Leu Lys Lys His Thr
 195                      200                      205

Ala Asp Glu Asn Pro Asp Lys Ser Thr Leu Glu Lys Ala Ile Gly Ser
 210                      215                      220

Leu Lys Glu Val Met Thr His Ile Asn Glu Asp Lys Arg Lys Thr Glu
 225                      230                      235                      240

Ala Gln Lys Gln Ile Phe Asp Val Val Tyr Glu Val Asp Gly Cys Pro
 245                      250                      255

Ala Asn Leu Leu Ser Ser His Arg Ser Leu Val Gln Arg Val Glu Thr
 260                      265                      270

Ile Ser Leu Gly Glu His Pro Cys Asp Arg Gly Glu Gln Val Thr Leu
 275                      280                      285

Phe Leu Phe Asn Asp Cys Leu Glu Ile Ala Arg Lys Arg His Lys Val
 290                      295                      300

Ile Gly Thr Phe Arg Ser Pro His Gly Gln Thr Arg Pro Pro Ala Ser
 305                      310                      315                      320

Leu Lys His Ile His Leu Met Pro Leu Ser Gln Ile Lys Lys Val Leu
 325                      330                      335

Asp Ile Arg Glu Thr Glu Asp Cys His Asn Ala Phe Ala Leu Leu Val
 340                      345                      350

Arg Pro Pro Thr Glu Gln Ala Asn Val Leu Leu Ser Phe Gln Met Thr
 355                      360                      365

Ser Asp Glu Leu Pro Lys Glu Asn Trp Leu Lys Met Leu Cys Arg His
 370                      375                      380

Val Ala Asn Thr Ile Cys Lys Ala Arg Ala Asn Ser Arg Pro His Ser
 385                      390                      395                      400

Arg Tyr Leu Asp Pro Ala Phe Leu Tyr Lys Val Val Asp Ser Arg Leu
 405                      410                      415

Leu Thr Lys Pro Glu Arg Lys Leu Ser Trp Leu Leu Pro Pro Leu Ser
 420                      425                      430

Asn Asn

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